

## Valvole rotative LSE\_ - Rotary valves LSE\_

### Ad entrata laterale per granuli 1bar – Offset inlet for pellets 1bar

- Entrata laterale per un avviamento sicuro sotto battente  
*Offset inlet for safe starting under head of product*
- Nessun taglio o degrado del prodotto  
*No product shear degradation*
- Regolatore di portata all'entrata  
*Adjustable feed rating slide plate at the inlet*
- Minime perdite di trafilamento  
*Minimum gas leakage*
- Costruzione robusta  
*Heavy duty construction*
- Versioni certificate ATEX 2014/34/EU  
*Versions in accordance with ATEX 2014/34/EU*
- Disponibili versioni a smontaggio rapido  
*Fast opening versions available*



|                                                                  |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicazione</b><br><i>Application</i>                        | Alimentatori di pellets, scaglie, fiocchi ed altri materiali granulari fino a 10mm in sistemi di trasporto pneumatico o scaricatori e dosatori sotto sili e tramogge.                                                                                                                                           | Volumetric feeders for pellets, chips, flakes, and other granular bulk materials up to 10mm in pneumatic conveying systems or dischargers and metering valves below silos and hoppers.                                                                                                 |
| <b>Dimensioni</b><br><i>Size</i>                                 | 8, 10, 12, 14<br>da 7,5 a 52 Litri/giro                                                                                                                                                                                                                                                                         | 8, 10, 12, 14<br>7,5 to 52 Litres/rev.                                                                                                                                                                                                                                                 |
| <b>Pressione</b><br><i>Pressure range</i>                        | Fino a 1bar di pressione differenziale                                                                                                                                                                                                                                                                          | Up to 1bar differential pressure                                                                                                                                                                                                                                                       |
| <b>Temperatura</b><br><i>Temperature</i>                         | Fino a 40°C (Versioni standard)<br>Versioni per alte temperature fino a 350°C                                                                                                                                                                                                                                   | Up to 40°C (Standard versions)<br>High temperature versions up to 350°C                                                                                                                                                                                                                |
| <b>Materiali di costruzione</b><br><i>Construction materials</i> | <ul style="list-style-type: none"> <li>▪ Corpo<br/>Acciaio al carbonio, Acciaio inossidabile</li> <li>▪ Coperchi<br/>Ghisa, Acciaio inossidabile</li> <li>▪ Rotore<br/>Acciaio al carbonio, acciaio inossidabile</li> <li>▪ Trattamenti superficiali interni<br/>Nichelatura chimica, cromatura dura</li> </ul> | <ul style="list-style-type: none"> <li>▪ Body<br/>Carbon steel, Stainless steel</li> <li>▪ End covers<br/>Cast iron, Cast Stainless steel</li> <li>▪ Rotor<br/>Carbon steel, stainless steel</li> <li>▪ Internal surface treatments<br/>Nickel-plating, Hard chrome-plating</li> </ul> |

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### Caratteristiche - Design features

**Trasmissione diretta o a catena**

*Direct drive or chain drive*

**Portina di accesso**

per regolare il diaframma scorrevole  
o consentire la pulizia interna

**Access hand-hole**

to permit adjustment of the inlet slide orifice  
plate or for possible clean out of the valve

**Rotore chiuso con 10 pale,**

rotori aperti disponibili a richiesta

**10 vanes Closed end rotor,**

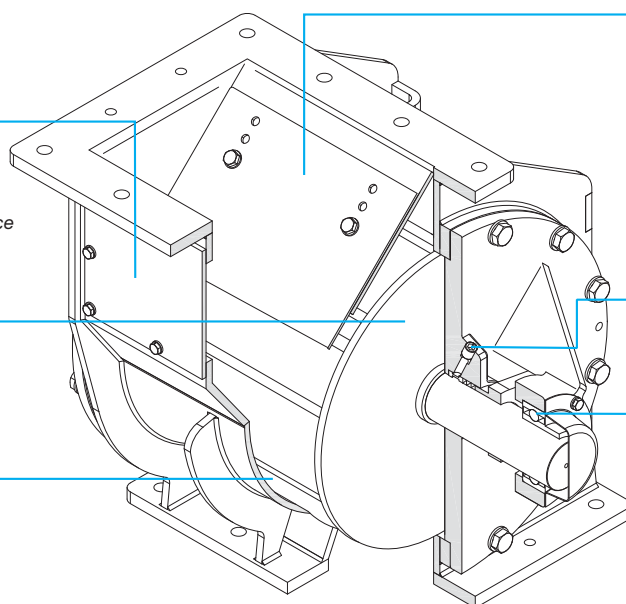
open end rotors on request

**Basse perdite di trafilamento**

e alta efficienza di riempimento  
grazie ai minimi giochi interni

**Minimal gas leakage loss**

and greater filling efficiency  
due to tight internal clearances



**Entrata ed uscita tangenziali eliminano il taglio ed il degrado del prodotto**  
pur consentendo un ottimo coefficiente di riempimento. Il diaframma scorrevole all'entrata può essere regolato per variare la portata della valvola

**Offset inlet and discharge openings to prevent product shear degradation**  
while allowing optimum feed efficiency.  
The inlet slide orifice plate can be adjusted to vary the throughput of the valve

**Tenuta flussata (Versione standard)**

Ampia gamma di tenute disponibili a richiesta

**Air purge type seal (Standard version)**

Large range of shaft sealing are available on request

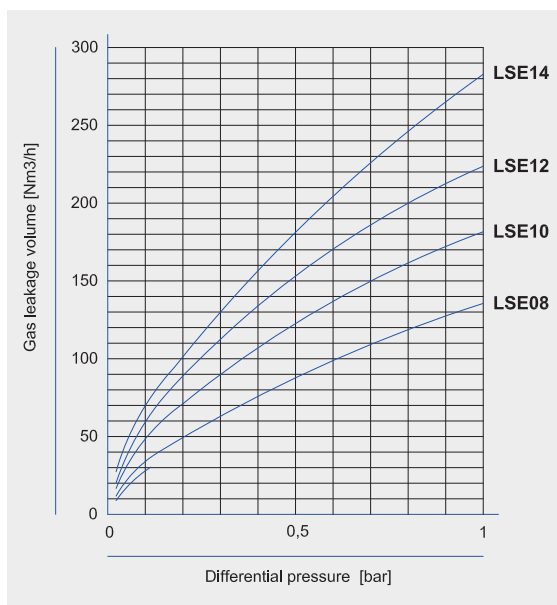
**Cuscinetti montati esternamente,**  
separati dal prodotto tramite lo spazio esterno tra tenuta e cuscinetto

**Outboard mounted ball bearings,**  
separated from product by outlet space between shaft seal and bearing

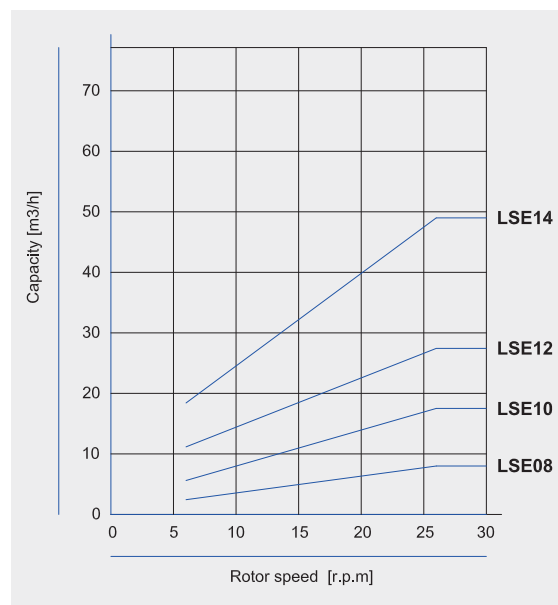
### Dati tecnici - Technical data

**Diagrammi**

*Diagrams*



■ **Diagramma delle perdite di trafilamento**  
**Gas leakage diagram**

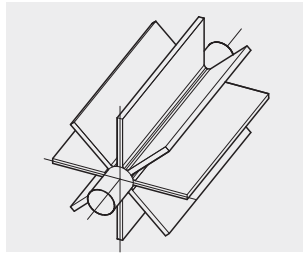


■ **Diagramma delle portate**  
(Portata massima con granuli di plastica, granulometria 3 mm)  
**Capacity diagram**  
(Max. Throughput with plastic pellets, particle size 3mm)

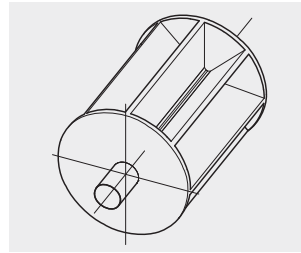
## Valvole rotative LSE\_ - Rotary valves LSE\_

### Opzioni ed accessori - Options and accessories

#### Rotori Rotors

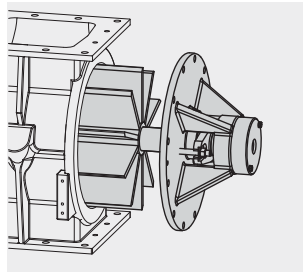


■ **Rotore A**  
Rotore aperto  
**Rotor A**  
Open end rotor

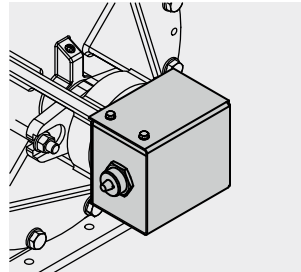


■ **Rotore AS**  
Rotore chiuso  
**Rotor AS**  
Closed end rotor

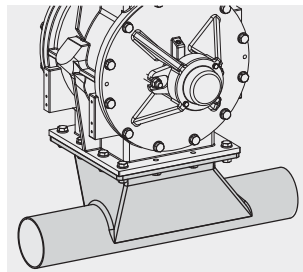
#### Accessori Accessories



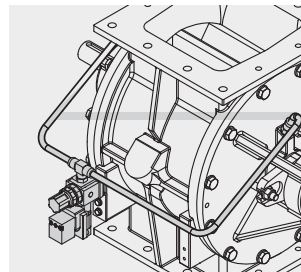
■ **Versioni a smontaggio rapido**  
Fast opening versions



■ **Controllo di rotazione**  
Motion indicator



■ **Iniettore per trasporti pneumatici**  
Pneumatic conveying manifold

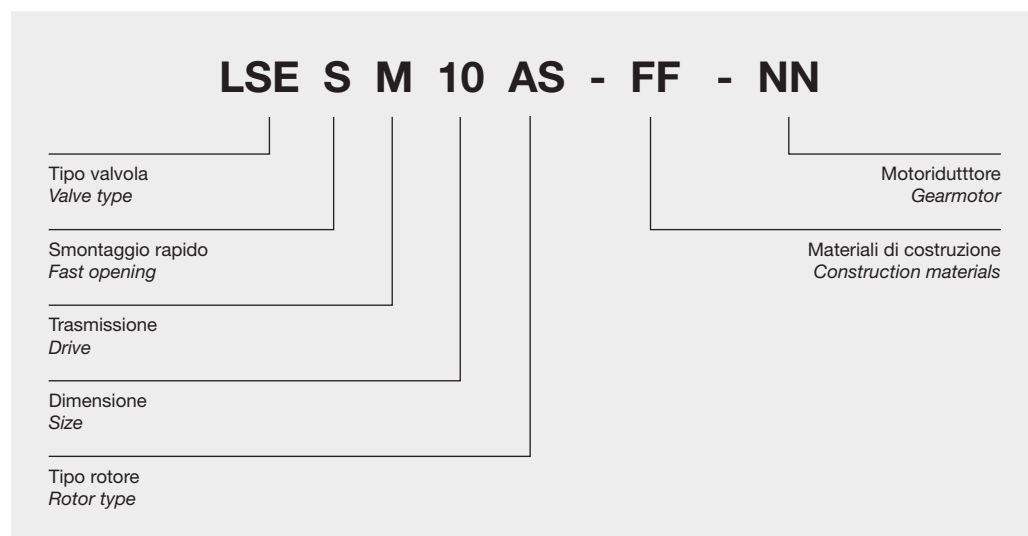


■ **Sistema di flussaggio delle tenute**  
Shaft seals air purge system

## Valvole rotative LSE\_ - Rotary valves LSE\_

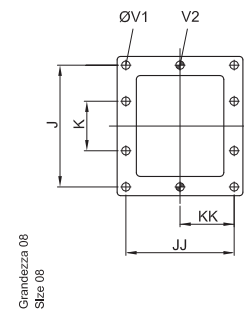
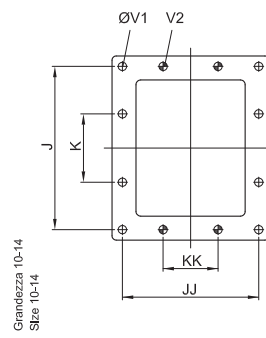
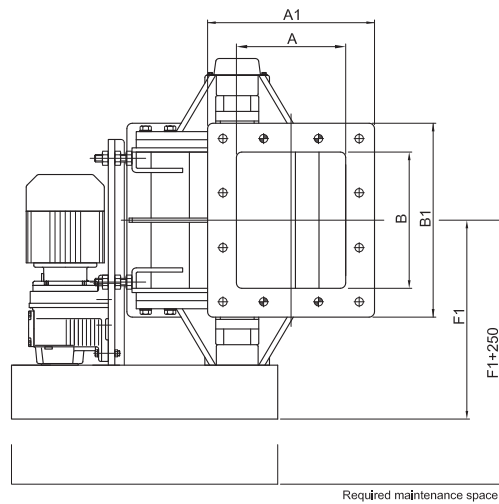
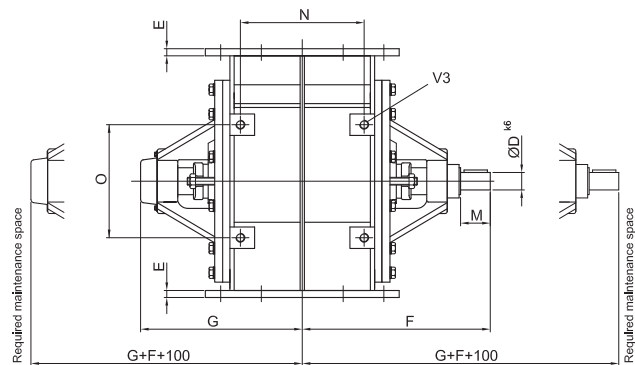
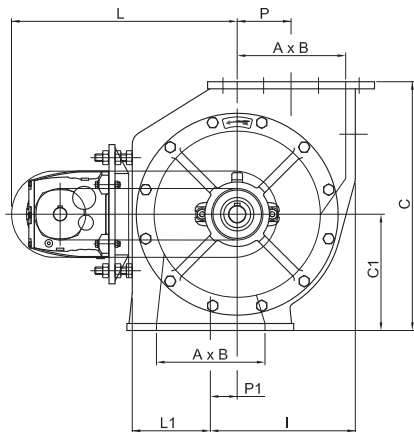
### Designazione del tipo - Type designation

Esempio  
Example



# Valvole rotative LSEC\_ - Rotary valves LSEC\_

## Dimensioni - Dimensions



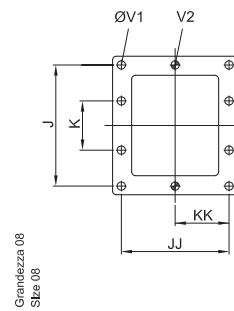
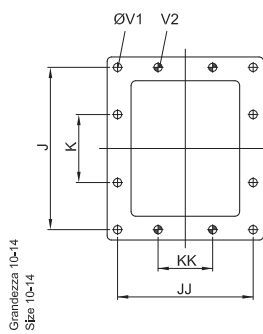
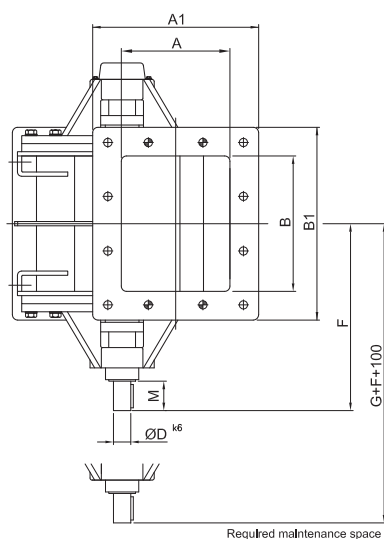
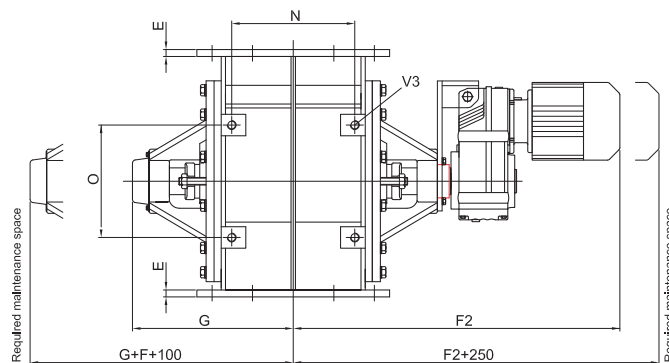
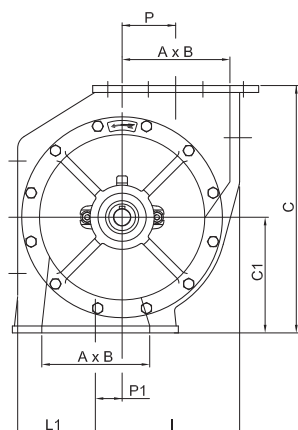
|               | Ltr/rev<br>Ltr/giro | A   | B   | A1  | B1  | C   | C1  | Ø D <sup>k6</sup> | E  | F   | F1  | G   | I   | L   |
|---------------|---------------------|-----|-----|-----|-----|-----|-----|-------------------|----|-----|-----|-----|-----|-----|
| <b>LSEC08</b> | 7,5                 | 150 | 210 | 250 | 310 | 354 | 166 | 30                | 13 | 333 | 348 | 280 | 207 | 445 |
| <b>LSEC10</b> | 17                  | 200 | 260 | 310 | 370 | 462 | 216 | 35                | 13 | 370 | 374 | 305 | 270 | 445 |
| <b>LSEC12</b> | 33                  | 250 | 320 | 375 | 445 | 554 | 254 | 35                | 13 | 400 | 404 | 335 | 332 | 522 |
| <b>LSEC14</b> | 52                  | 300 | 380 | 425 | 500 | 614 | 279 | 40                | 13 | 441 | 438 | 375 | 392 | 590 |

|               | L1  | M  | N   | O   | P   | P1 | J   | K   | JJ  | KK  | Ø V1 | V2  | V3  | X                    | kg <sup>1)</sup> |
|---------------|-----|----|-----|-----|-----|----|-----|-----|-----|-----|------|-----|-----|----------------------|------------------|
| <b>LSEC08</b> | 117 | 60 | 180 | 210 | 75  | 40 | 270 | 90  | 210 | 105 | 14   | M12 | M16 | 2x $3\frac{7}{8}$ "  | 135              |
| <b>LSEC10</b> | 145 | 70 | 261 | 280 | 100 | 50 | 320 | 110 | 260 | 90  | 14   | M12 | M16 | 2xG $\frac{3}{4}$ "  | 190              |
| <b>LSEC12</b> | 178 | 70 | 304 | 320 | 125 | 62 | 394 | 134 | 324 | 108 | 14   | M12 | M16 | 2xG1"                | 295              |
| <b>LSEC14</b> | 205 | 70 | 360 | 340 | 150 | 62 | 455 | 155 | 380 | 130 | 14   | M12 | M20 | 2xG1 $\frac{1}{2}$ " | 375              |

1) Peso approssimativo / Weight approx.

## Valvole rotative LSEM\_ - Rotary valves LSEM\_

### Dimensioni - Dimensions



|               | Ltr/rev<br>Ltr/giro | A   | B   | A1  | B1  | C   | C1  | Ø D <sup>k6</sup> | E  | F   | F2  | G   | I   | L1  |
|---------------|---------------------|-----|-----|-----|-----|-----|-----|-------------------|----|-----|-----|-----|-----|-----|
| <b>LSEM08</b> | 7,5                 | 150 | 210 | 250 | 310 | 354 | 166 | 30                | 13 | 333 | 605 | 280 | 207 | 117 |
| <b>LSEM10</b> | 17                  | 200 | 260 | 310 | 370 | 462 | 216 | 35                | 13 | 370 | 660 | 305 | 270 | 145 |
| <b>LSEM12</b> | 33                  | 250 | 320 | 375 | 445 | 554 | 254 | 35                | 13 | 400 | 730 | 335 | 332 | 178 |
| <b>LSEM14</b> | 52                  | 300 | 380 | 425 | 500 | 614 | 279 | 40                | 13 | 441 | 785 | 375 | 392 | 205 |

|               | M  | N   | O   | P   | P1 | J   | K   | JJ  | KK  | Ø V1 | V2  | V3  | X                    | kg <sup>1)</sup> |
|---------------|----|-----|-----|-----|----|-----|-----|-----|-----|------|-----|-----|----------------------|------------------|
| <b>LSEM08</b> | 60 | 180 | 210 | 75  | 40 | 270 | 90  | 210 | 105 | 14   | M12 | M16 | 2x $\frac{3}{8}$ "   | 130              |
| <b>LSEM10</b> | 70 | 261 | 280 | 100 | 50 | 320 | 110 | 260 | 90  | 14   | M12 | M16 | 2xG $\frac{3}{4}$ "  | 180              |
| <b>LSEM12</b> | 70 | 304 | 320 | 125 | 62 | 394 | 134 | 324 | 108 | 14   | M12 | M16 | 2xG1"                | 275              |
| <b>LSEM14</b> | 70 | 360 | 340 | 150 | 62 | 455 | 155 | 380 | 130 | 14   | M12 | M20 | 2xG1 $\frac{1}{2}$ " | 365              |

1) Peso approssimativo / Weight approx.